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(71) Applicants (for all designated States except US): **THE CHILDREN'S HOSPITAL OF PHILADELPHIA** [US/US]; 34th Street & Civic Center Boulevard, Philadelphia, PA 19104 (US). **THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA** [US/US]; 3160 Chestnut Street, Suite 200, Philadelphia, PA 19104 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SHASTRI, Venkatram, P.** [IN/US]; 1303 Hillmeade Drive, Nashville, TN 37221 (US). **SY, Jay, C.** [US/US]; 530 S. Euclid Avenue, Apt. 7, Pasadena, CA 91101 (US). **CHEN, I-Wei** [US/US]; 801 Yale Avenue, #403, Swarthmore, PA 19081 (US).

(74) Agent: **VOLIN, Marina, E.**; Caesar, Rivise, Bernstein, Cohen & Pokotilow, Ltd., Seven Penn Center, 1635 Market, Street 11th Floor, Philadelphia, PA 19103 (US).

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(54) Title: EMULSION-BASED CONTROL OF ELECTROSPUN FIBER MORPHOLOGY

(57) Abstract: The invention provides a fiber having different morphology and a method of making such fiber in a predictable manner. The method includes providing a first component including water, wherein the first component has a first evaporation rate, providing a second component including a polymer, wherein the second component has a second evaporation rate, provided that the second evaporation rate is higher than the first evaporation rate, combining the first component and the second component to make an emulsion, applying a force to the emulsion, and extruding the emulsion to make the fiber, wherein the fiber has an outer surface, an internal cavity and a diameter of at most 10 micrometers.



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